

Call us !  
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# EPP

means

## Environmentally Preferable Products

### **IMPORTANT NOTE:**

Most EPP products  
are not “pure”  
– just **less** hazardous

### Chemicals and products. . .

- Better for your health
- Better for the environment

# WE ARE EPP

## WE ARE HERE TO HELP !



Alan Shepard – Mercury flight



Village Voice

## WE ARE NOT THE TOXIC POLICE !

# Work with Chemicals ?

Do you use any of the following ?

- Methylene chloride
  - MEK
- Trichloroethylene
- 1,1,1 trichloroethane
- Methyl chloroform
  - HCFC-141b
  - CFC-113



Greg Easton

Or any chemicals you may be concerned about  
or would simply like to replace.

# Or Machine Shop ?

Do you use any of the following ? :

- Tap Magic
- Steel Ink
- Toolmakers Ink
- Blue Layout Fluid
- Tap Free
- DoAll Steel Ink
- Brush in a Can
- Osborn Blue Layout Fluid
- Crown Blue Toolmakers Ink
- Winbro Tap Free



GRC - 1946

# Others to look for :

Read your labels, and look for these:

Acetone  
1-butanol  
Isopropanol  
MEK  
MIBK  
Tert-butyl  
Toluene  
1,1,1-trichloroethane  
NA 500  
Xylene  
Hexane  
Isobutyl acetate  
n-amyl acetate



Netlife magazine – Mir Lada

n-butyl alcohol  
n-butyl acetate  
Chromic trioxide  
Diethylene glycol monobutyl ether  
Ethanol  
Ethylene glycol monobutyl ether  
Methanol  
Methylene chloride  
Stoddard solvent  
Tert butyl alcohol  
Tetrachloroethylene  
Trike

... This list is not complete.  
Call with any questions.

Plus any chemicals you may be concerned  
about or would simply like to replace.

## We are replacing hazardous chemicals with environmentally preferable products (EPP) !

- Replaced and replacing methylene chloride in the Garage (104) with EPP products. Here are some:
  - Parts tank cleaner: QED (naphtha)
  - Tire repair: Patch Rubber (heptane)
  - A/C flush solvent: FJC A/C Flush (biobased)
- Replaced methylene chloride in the Fabrication Shop (50) with EPP product: NMP
- Other EPP projects we're working on:
  - Defluxers (now have ozone depleters), including stock
  - Electrical contact cleaners (ozone depleters), + stock
  - MEK replacement
- Starting to review household products
- Developing a website that allows a search for EPP replacement products

### IMPORTANT NOTE:

Most EPP products are not "pure"

– just **less** hazardous

# Open to all !!! Ask, suggest, email

## WHO CAN BE INVOLVED ? :

- GRC employees



1959 – Project Mercury capsule #2

- Contractors



1960 – Project Mercury

- Plum Brook



1959

**Anyone wanting to test products,  
or has a chemical or process issue to discuss**



1957 – Ion Jet

## Here's How it Works:

**NOTHING** WILL BE REPLACED OR **TAKEN FROM YOU** without your OK.

– We **talk only**, then ask all involved staff and supervisors to agree to what we propose.

**FOR YOUR PEACE OF MIND:** Here's how it works:

- An EPP person will walk through and review your chemicals.
- Or you can ask to talk about a specific chemical or project
  - OPEN TO ANYONE
- The EPP person gives ideas, makes suggestions, and researches options.
- You say no, and walk away. Or you say OK to the next step.
- The EPP person proposes the replacement/project in writing to all responsible management and staff.
- You say no, and walk away. Or you say OK to the next step.
- And so on.

**NO RISK – trust us**



1959 – Project Mercury Altitude  
wind tunnel gimbaling rig